

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) Apparatus for moving particles entrained in a first fluid to a second fluid, comprising: a conduit defined by a first wall and a second opposite wall, means providing for contacting laminar flow of each fluid within the conduit, the conduit in communication with a first inlet and a first outlet for the first fluid, one of the walls comprising a second inlet and a second outlet to the conduit for the second fluid, and means capable of generating a standing sound wave having a pressure node disposed within the conduit.
2. (Currently amended) ~~Apparatus~~ Apparatus according to Claim 1, in which the ~~means providing for contacting laminar flow minimise~~ apparatus minimizes mixing between the two fluids by providing contacting laminar flow of each fluid.
3. (Cancelled)
4. (Currently amended) Apparatus according to Claim 3, in which the ~~respective first inlet and the first outlet means~~ are orthogonal to each other ~~the second inlet and the second outlet.~~

5. (Previously Presented) Apparatus according to Claim 1, in which the pressure node is centrally disposed along the longitudinal length of the conduit.
6. (Currently amended) Apparatus according to Claim 1, in which the means capable of generating the standing sound wave ~~comprise a~~ comprises the first wall of the conduit adapted to generate and transmit a sound wave and ~~a~~ the second, opposite wall adapted to reflect the generated sound wave.
7. (Original) Apparatus according to Claim 6, in which the first wall of the conduit comprises a piezoceramic material.
8. (Original) Apparatus according to Claim 7, in which the piezoceramic material is associated with an alternating potential source.
9. (Withdrawn) A method of moving particles from in a first fluid to a second fluid, comprising the steps of i) providing for contacting laminar flow of each fluid within a conduit having means capable of generating a standing sound wave and ii) generating a standing sound wave having a pressure node within the conduit.
10. (Withdrawn) A method of washing particles according to Claim 9.

11. (Withdrawn) A method of mixing samples according to Claim 9.

12.- 13 (Cancelled)

14. (New) Apparatus according to Claim 1, wherein the first inlet and the first outlet communicate with the second wall, and wherein the second inlet and the second outlet communicate with the first wall.